



# SAFETY DATA SHEET

## 1. Identification of the substance or mixture

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***	
<b>Product identifier/name based on GHS</b>	CH655 Series	
<b>Other means of identification</b>		
<b>Synonyms</b>	HP XP222 Cyan Scitex Ink	
<b>Recommended use of the chemical and restrictions on use</b>		
<b>Recommended use</b>	Inkjet printing	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company identification</b>	HP Inc. 9th Floor, Jl.Casablanca Kav.88 Prudential Centre P.C 12870 Jakarta Indonesia	
<b>Telephone</b>	+62 21 - 3042-2400	
<b>HP Inc. health effects line (Toll-free within the US)</b>	1-800-457-4209	
<b>(Direct)</b>	1-760-710-0048	
<b>HP Inc. Customer Care Line (Toll-free within the US)</b>	1-800-474-6836	
<b>(Direct)</b>	1-208-323-2551	
<b>Email:</b>	hpcustomer.inquiries@hp.com	

## 2. Hazards identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Reproductive toxicity (fertility, the unborn child)	Category 1B
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 1 (liver, respiratory system)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>Label elements</b>		
<b>Signal word</b>	Danger	
<b>Hazard statement</b>	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid release to the environment.	

**Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell. Collect spillage. Take off contaminated clothing and wash before reuse.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Pictograms (hazard symbols)**



**Other hazards which do not result in classification** Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

**Supplemental information** None.

### 3. Composition / information on ingredients

**Substance or mixture** Mixture

**Chemical property**

Chemical name	CAS Number	Concentration (%)
Acrylic acid ester	Proprietary	<25
Acrylic acid, Monoalkyl Ester	Proprietary	<25
Polyether Acrylate	Proprietary	<20
Vinylcaprolactam	Proprietary	<20
Acrylate ester 5	Proprietary	<7.5
Difunctional acrylic monomer	Proprietary	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	Proprietary	<5
Blue pigment	Proprietary	<2.5
Propiophenone derivative	Proprietary	<2.5
Thioxanthone derivative	Proprietary	<2.5

### 4. First aid measures

**Description of necessary first-aid measures**

**Inhalation** If dust from the material is inhaled, remove the affected person immediately to fresh air.

Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is difficult, give oxygen. Oxygen or artificial respiration if needed. Consult a physician for specific advice.

**Skin contact** Wash the skin immediately with soap and water. In case of contact with molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily.

**Eye contact** Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.

**Ingestion** If swallowed, do NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed** No experiences of acute or chronic damages in humans have been made yet.

**Indication of immediate medical attention and special treatment needed** Not available.

**General information** Risk of skin burn caused by hot melt.  
Do not leave the victim unattended.  
Remove victim immediately from source of exposure.  
Victim to lie down in the recovery position, cover and keep him warm.

### 5. Fire-fighting measures

**Suitable extinguishing media** Dry powder. Carbon dioxide (CO<sub>2</sub>). Water may be ineffective.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

<b>Specific hazards arising from the chemical</b>	Not applicable.
<b>Specific / special fire-fighting procedures</b>	Avoid runoff into storm sewers and ditches which lead to waterways.
<b>Special protective equipment and precautions for firefighters</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

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## 6. Accidental release (spill or leakage) measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
<b>Methods and materials for containment and cleaning up</b>	Not available.

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## 7. Handling and storage

### Preventative measures for safe handling

<b>Safe handling advice</b>	Avoid contact with skin, eyes and clothing.
<b>Precautions for safe handling</b>	Not available.

### Conditions for safe storage

<b>Technical measures</b>	Do not handle or store near an open flame, heat or other sources of ignition. Keep away from excessive heat or cold. Do not store in direct sunlight. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.
<b>Suitable storage conditions</b>	Not available.
<b>Any incompatibilities</b>	Not available.

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## 8. Exposure controls/personal protection

<b>Control parameters</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Exposure limits have not been established for this product.
<b>Appropriate engineering controls</b>	Not available.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.
<b>Eye/face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
<b>Skin and body protection</b>	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.
<b>Thermal hazards</b>	Not available.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

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## 9. Physical and chemical properties

### Empirical data of the substance or mixture

#### Organoleptic properties (shape, color, etc.)

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Cyan

<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	6.8 - 7.2 Metler Toledo pH Meter. Temperature 25°C
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.

<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Closed Cup EPA Method 1020
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	13.5 - 14.5 cP Brookfield Viscometer (± 0.5) Temperature 45°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading.
<b>Other information</b>	
<b>VOC</b>	27.51 g/L Method 24/ASTM D403-93

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## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization can occur with decreased inhibitor content.
<b>Conditions to avoid</b>	Exposure to sunlight.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents. alkaline metals
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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## 11. Toxicological information

### Complete and comprehensive description of the various toxicological / health effects

<b>Acute toxicity</b>	May be harmful if swallowed. May be harmful in contact with skin. Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	May damage fertility. May damage the unborn child.
<b>Specific target organ toxicity - single exposure</b>	May cause irritation to the respiratory system.
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation may result in mild irritation to the respiratory system.
<b>Skin contact</b>	Causes skin irritation. May cause sensitization by skin contact.
<b>Eye contact</b>	Causes serious eye irritation.

<b>Ingestion</b>	Ingestion is not a likely route of exposure.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Not available.
<b>Delayed and immediate effects and also chronic effects from short and long term exposure</b>	Not available.
<b>Numerical measures of toxicity</b>	

Components	Species	Test Results
Vinylcaprolactam		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1700 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 1.6 mg/l
<b>Oral</b>		
LD50	Rat	1114 mg/kg
<b>Interactive effects</b>	Not available.	
<b>Mixture versus substance information</b>	Not available.	
<b>Other information</b>	Complete toxicity data are not available for this specific formulation	

## 12. Ecological information

### Ecotoxicity

Components	Species	Test Results	
Acrylic acid ester			
<i>Acute</i>			
EC10	Desmodesmus subcapitatus	0.71 mg/l, 72 h (DIN 38412 L9)	
EC50	Desmodesmus subcapitatus	4.44 mg/l, 72 h (DIN 38412 L9)	
LC50	Leuciscus idus	10 mg/l, 96 h (DIN 38 412)	
NOEC	Desmodesmus subcapitatus	0.71 mg/l, 72 h (DIN 38412 L9)	
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	1.21 mg/l, 48 h (Directive CE 79/831/CEE, Annex V, Part C)
Acrylic acid, Monoalkyl Ester			
<i>Acute</i>			
ErC50	Pseudokirchneriella subcapitata	> 0.274 µg/l, 72 h (OECD 201)	
LC50	Leuciscus idus	460 mg/l, 96 h (DIN 38 412, part L 15, 1982)	
NOEC	Leuciscus idus	215 mg/l, 96 h (DIN 38 412, part L 15, 1982)	
<i>Chronic</i>			
LOEC	Daphnia magna	> 0.25 µg/l, 21 d (OECD 211)	
<b>Aquatic</b>			
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	0.25 µg/l, 21 d (OECD 211)
Fish	LOEC	Danio rerio	> 1 µg/l, 36 d (OECD 210)
Difunctional acrylic monomer			
<i>Acute</i>			
EC10	Pseudokirchneriella subcapitata	2.3 mg/l, 72 h (OECD 201)	
EC50	Pseudokirchneriella subcapitata	11 mg/l, 72 h (OECD 201)	
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Daphnia Magna	37 mg/l, 48 h (OECD 202)
Fish	LC50	Danio rerio	2.7 mg/l, 96 h (OECD 203)

Components	Species	Test Results
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide		
<i>Acute</i>		
	EC10	Pseudokirchneriella subcapitata 1.56 mg/l, 72 h (OECD 201)
	EC50	Pseudokirchneriella subcapitata > 2.01 mg/l, 72 h (OECD 201)
	LC50	Cyprinus carpio 1.4 mg/l, 96 h (OECD 203)
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 3.53 mg/l, 48 h (OECD 202)
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulative potential</b>		
<b>Bioconcentration factor</b>		
Acrylic acid, Monoalkyl Ester	2.34, (EPA Epiwin (v.4.11))	
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	72, (JIS K 0102-1986, 71 - Kanpogyo No .S, Yakuhatsu No . 615, 49-Kikyoku No . 392, MITI/MHW Chemical Substance Control Law, Japan)	
<b>Mobility in soil</b>	Not available.	
<b>Other adverse effects</b>	Not available.	
<b>Aquatic toxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.	

### 13. Waste disposal

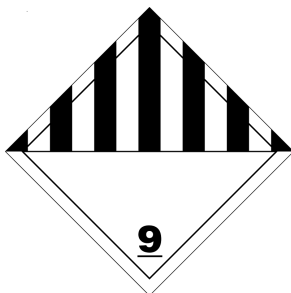
<b>Methods of disposal</b>	Not available.
<b>Local disposal regulations</b>	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	Not available.

### 14. Transport information

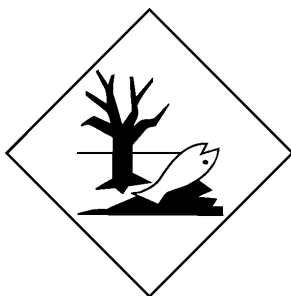
<b>DOT</b>	
Not regulated as dangerous goods.	
<b>DOT Supplemental Information</b>	DOT Classification only applies to shipments within the US and Puerto Rico.
<b>IATA</b>	
<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>Special precautions for user</b>	Not available.
<b>IATA Supplemental Information</b>	When shipping ≤ 5L inner packaging, Special Provision A197 may apply.
<b>IMDG</b>	
<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Transport hazard class(es)</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-A, S-F
<b>Special precautions for user</b>	Not available.
<b>IMDG Supplemental Information</b>	When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.

<b>ADR</b>	
<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Hazard No. (ADR)</b>	Not available.
<b>Tunnel restriction code</b>	Not available.
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>Special precautions for user</b>	Not available.
<b>ADR Supplemental Information</b>	When shipping ≤ 5L containers, ADR 375 may apply.

**ADR; IATA; IMDG**



**Marine pollutant**




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## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**CWC (Law of RI No. 9 of 2008 re: Prohibition on the Use of Chemicals as Chemical Weapon, March 10, 2008)**

Not regulated.

**Dangerous Substances that Must be Registered (Regulation of the Minister of Health of the Republic of Indonesia, No. 472/Menkes/Per/V/1996)**

Not regulated.

**Import and Distribution Control of Hazardous Materials (Minister of Trade Regulation No. 75/M-DAG/PER/10/2014, Annex I)**

Not listed.

**Precursor Chemicals (Ministry of Industry and Trade Decree No. 647/MPP/Kep/10/2004 concerning Regulation on Import of Precursors, Attachment 1, Oct. 18, 2004)**

Not regulated.

**Prohibited Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 1)**

Not regulated.

**Restricted Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 2)**

Not regulated.

**Toxic and Hazardous Materials List (Decree of the Ministry of Industry on the Safeguarding of Toxic and Hazardous Materials in Industrial Plants, No. 148/M/SK/4/1985)**

Not regulated.

**Hazardous Substances Approved for Use (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment I)**

**Listed substances**

Not regulated.

**Listed substances / Allowed until 2040**

Not regulated.

**International regulations**

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

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**16. Other information****Issue date** 13-Apr-2018**Revision date** 23-Apr-2021**Version #** 03**References and sources for data used to compile the SDS** Not available.**Disclaimer**

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

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**Revision information**

1. Product and Company Identification: EU Poison Center
3. Composition / Information on Ingredients: Disclosure Overrides



## Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds